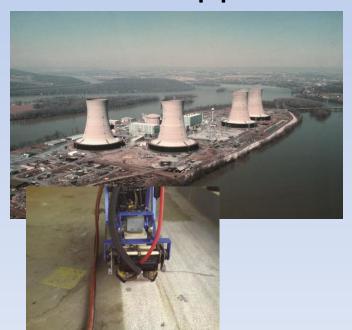


Decontamination & Decommissioning Products

from TMI to Fukushima

..... and many places in between

 Since 1981, the Pentek group of companies has supplied the global nuclear industry







US Commercial D&D Projects

Major decontamination and decommissioning works

- TMI-2 (Pennsylvania)
- Saxton (Pennsylvania)
- Waltz Mill (Pennsylvania)
- Connecticut Yankee (Connecticut)
- Big Rock Point (Michigan)
- Fort St. Vrain (Colorado)
- Yankee Rowe (Massachussetts)

- Maine Yankee (Maine)
- Trojan (Oregon)
- Rancho Seco (California)
- San Onofre Unit 1 (California)
- Humboldt Bay (California)
- Zion (Illinois)



US DOE & Defense D&D Projects

Pentek equipment is present at 2/3 of all DOE sites

- Hanford (Washington)
- INEL (Idaho)
- Savannah River (South Carolina)
- Los Alamos NL (New Mexico)
- Lawrence Livermore NL (California)
- Argonne National Lab (Illinois)
- Brook Air Force Base (Texas)

- Knolls Atomic Power Lab (New York)
 - Bettis Atomic Lab (Pennsylvania)
- Plum Brook (Ohio)
- Rocky Flats (Colorado)
- Fernald (Ohio)
- Oak Ridge (Tennessee)



International D&D Projects

Reactors, defense and commercial facilities

- Sellafield (UK)
- BR-3 (Belgium)
- Latina (Italy)
- ARE Project, LTSF D&D
 Al Tuwaitha (Iraq) (Malaysia)

- TRR (Taiwan)
- Chalk River (Canada)
- Whiteshell (Canada)



Fukushima-Related Supply

Pentek first visited Japan in October, 2011

- JAEA: standard decontamination system
- IHI: custom vacuum head for integration with specialized forest remediation system
- TEPCO: Unit 3, 5FL decontamination robots



First aerial delivery of decontamination capability





Delivery of 3 independent, remotely operated machines



Delivery included 100% independent utility skids

For Vacuum MOOSE®



For Scabbling MOOSE®





Nov. 2013 deployment of Blade MOOSE® to 5FL





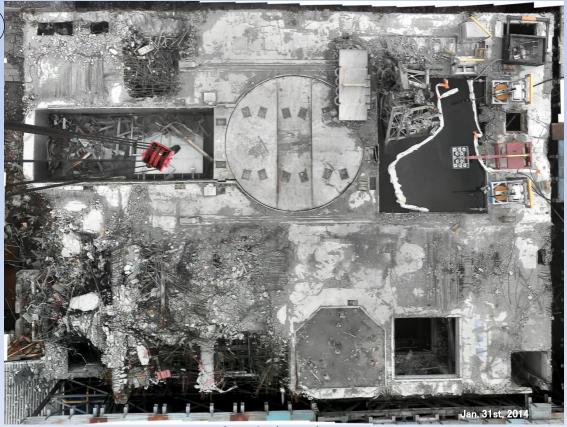


Source: TEPCO Nov. 22nd, 2013



Effective remote decontamination of reactor cover







Products for D&D Contractors

Pentek products are for professionals; not consumers

- 1-step mechanical surface decontamination tools cut and remove contaminated surfaces:
 - Structural concrete and steel surfaces
 - Painted surfaces
 - Sensitive architectural surfaces
- Integrated vacuum collection and packaging
- Weatherproof and decontaminable construction



Decontamination Tools

Dustless, effective control of airborne emissions



VAC-PAC® Collection Systems

HEPA filtered, high flow, low maintenance

Standard VAC-PAC®

Custom VAC-PAC®

Self-Disposing VAC-PAC® Module









Remote Deployment Schemes

Floors and walls, or new aerial deployment

Standard MOOSE® WallWalker® Aerial MOOSE®







Demolition Equipment

Modifications for hazardous work locations









Contact Information

- Website: <u>www.pentekusa.com</u>
- email: <u>info@pentekusa.com</u>
- Phone or Text
 - Sheldon Lefkowitz: +1 412-973-9660
 - Suguru Fujiwara: +81 90 8200 9650

